

WATER WELL REPORT

STATE OF WASHINGTON

Application No. 61-22421
Permit No. _____

(1) OWNER: Name Dept. of Natural Resources Address Olympia, Wa.

(2) LOCATION OF WELL: County Inland Co. Sec. 15 T. 28 N. R. 5E W.M.

Bearing and distance from section or subdivision corner

(3) PROPOSED USE: Domestic ☐ Industrial ☐ Municipal ☒
Irrigation ☐ Test Well ☐ Other ☐

(4) TYPE OF WORK: Owner's number of well 2
(if more than one).....
New well ☐ Method: Dug ☐ Bored ☐
Deepened ☐ Cable ☐ Driven ☐
Reconditioned ☐ Rotary ☒ Jetted ☐

(5) DIMENSIONS: Diameter of well 10 inches.
Drilled 295 ft. Depth of completed well 295 ft.

(6) CONSTRUCTION DETAILS:

Casing installed: 10" Diam. from ±3 ft. to 287 ft.
Threaded ☐ " Diam. from _____ ft. to _____ ft.
Welded ☐ " Diam. from _____ ft. to _____ ft.

Perforations: Yes ☒ No ☐
Type of perforator used 10"
SIZE of perforations 1/4 in. by 2 in.
70 perforations from 242 ft. to 246 ft.
_____ perforations from _____ ft. to _____ ft.
_____ perforations from _____ ft. to _____ ft.

Screens: Yes ☐ No ☒
Manufacturer's Name _____
Type _____ Model No. _____
Diam. _____ Slot size _____ from _____ ft. to _____ ft.
Diam. _____ Slot size _____ from _____ ft. to _____ ft.

Gravel packed: Yes ☐ No ☒ Size of gravel: _____
Gravel placed from _____ ft. to _____ ft.

Surface seal: Yes ☐ No ☐ To what depth? 34 ft.
Material used in seal bentonite & cement
Did any strata contain unusable water? Yes ☒ No ☐
Type of water? blackish Depth of strata 10
Method of sealing strata off pressure grout

(7) PUMP: Manufacturer's Name _____
Type: _____ H.P. _____

(8) WATER LEVELS: Land-surface elevation 192 ft.
above mean sea level.
Static level 190 ft. below top of well Date 5-5-80
Artesian pressure _____ lbs. per square inch Date _____
Artesian water is controlled by _____ (Cap, valve, etc.)

(9) WELL TESTS: Drawdown is amount water level is
lowered below static level
Was a pump test made? Yes ☒ If yes, by whom A. Mauldin
Yield: 250 gal./min. with 40 ft. drawdown after 6 hrs.
" 250 " " " 6 "
" " " " " "

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level
3:30	230	3:33	200	3:34	190

Date of test 4-30-80

Bailer test 10 gal./min. with 0 ft. drawdown after 3 hrs.
Artesian flow _____ g.p.m. Date _____
Temperature of water _____ Was a chemical analysis made? Yes ☒ No ☐

(10) WELL LOG:

Formation: Describe by color, character, size of material and structure, and show thickness of aquifers and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of formation.

MATERIAL	FROM	TO
Brown Fill	0	5
Silty Clay & Sand	5	10
Blackish water		
Blue Clay & Sand	10	18
Blue Clay, Sand, Small Boulders	18	20
Blue Clay hard Small Gravel	20	72
Blue Clay Med. Sand & Gravel	72	163
Brown Clay, Med. Gravel	163	165
Brown Clay	165	180
Brown Clay Small Gravel	180	210
Rock w/ Quartz, Green & Black water	210	213
Cemented Sand w/ Blue Clay	213	220
Sand w/ Gravel	220	225
water		
Blue Clay, Med. Gravel	225	233
Black Sandy Clay	233	241
Gravel, Sand, Gray Clay	241	241 1/2
Sandy Blue Gray Clay	241 1/2	242
Large Gravel	242	246
water		
Heaving Sand & gravel	246	246 1/2
Cemented Sandy Clay	246 1/2	247
Cemented Sand Med. Gravel	247	250
Large Gravel w/ Sand	250	251
Small Layers Cemented sand & Med to large gravel	251	270
Hard Brown Shale	270	272
Cemented Sand & Gravel	272	295
Caving Cemented Sand & Gravel	287	295

Work started 4-1-80, 19____ Completed 5-5-80, 1980

WELL DRILLER'S STATEMENT:

This well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief.

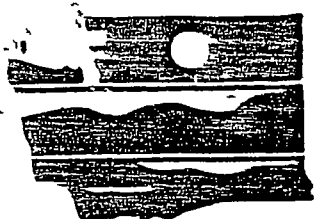
NAME Martel Well Drilling, Inc.
(Person, firm, or corporation) (Type or print)

Address P.O. Box 905, Friday Harbor, Wa.

[Signed] [Signature]
(Well Driller)

License No. 0292 Date May 8, 1980

(USE ADDITIONAL SHEETS IF NECESSARY)



WASHINGTON STATE
DEPARTMENT OF
ECOLOGY

Well Tagging Form

Unique Well Tag No: _____

AGA 853

RECORD VERIFICATION (check ☒ one)

- ☐ Well Report available (please attach this form to the well report and submit it to the Ecology Regional Office near you)
- ☐ Verification inconclusive
- ☐ Well Report not available

see 2

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

First Name SCATCHET HEAD WIDIST

Last Name _____

Street Address 76470-X

City _____

State _____

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address SAMISH CT / MORTLAND RD

City _____

County _____

T _____ N R _____ W M Sec _____ 1/4 of the _____

FOR AGENCY USE ONLY

Latitude _____

Longitude _____

Elevation at land surface _____ feet/meters (circle one)

Additional information, if available

- ☐ GPS
- ☐ Topographic Map
- ☐ Survey
- ☐ Computer generated

- ☐ Digital Altimeter
- ☐ Topographic Map
- ☐ Other _____

☐ Location marked on topographic map (please attach)

☐ Location marked on air photo (please attach)

Additional information if available

☒ Location marked on topographic map (please attach)

☐ Location marked on air photo (please attach)

Water Right # 61 23621P
~~61 20574~~

Priority Date JAN 19, 1984

Circle one

Application

Permit

Certificate

Claim

Exempt

WELL CHARACTERISTICS

Physical Description of Well (size of casing type of well housing etc) 10 inches

295 FT static level 209' (SCREEN) PERF 242-246

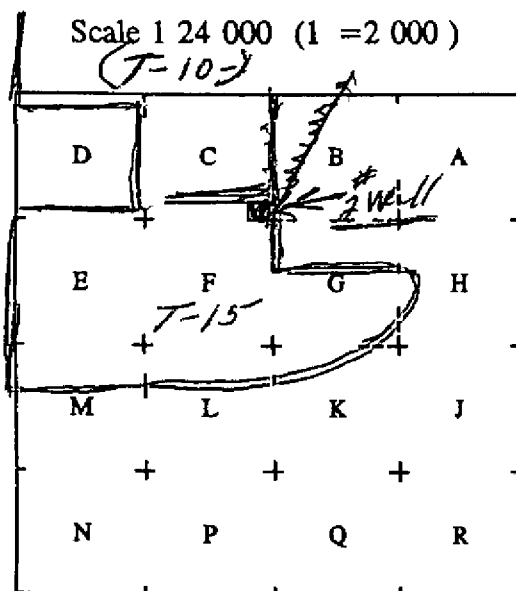
Location of Well Identification Tag ON CASING ON TOP OF WELL

Was Supplemental Tag needed for ease of identifying well?

☐ NO

☒ YES

If yes where was tag placed? ON CASING ON TOP OF WELL



Indicate the location of the well within the Section by drawing a dot at that point

COMMENTS

DESCRIPTION OF PROPOSED WORKS

G1-23621

Well No 2 (of 2) submersible pump 2-3000 gallon storage tanks and
4 and 6 mains to place of use

DEVELOPMENT SCHEDULE

Complete	Complete	Complete
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REPORT

Background

This application to withdraw 250 gpm from a well located about seven miles south of Clinton in Whidbey Island for municipal supply was received on June 11 1980 from Scatchet Head Water District Clinton Washington

Leg 1 notice was published in the Whidbey Island Record on August 12 and 19 1980. No protests have been received.

Investigation

A field examination was conducted on September 24 1984. The water system at Scatchet Head - consisting of two wells is complete and in use. It was found as described in the application.

Scatchet Head Community Club has previously made Application G1 20574 with priority date of April 27 1973 for well No 1 of the system (the well under instant application is well No 2). Well No 1 is located about 1500 feet southeast of well No 2 in S $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 15. Well No 2 in NE $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 15 is located about 850 feet south and 1278 feet west from the NW corner of Sec 15 T 28N R 3E W.M. Island County.

Mr. Grov, P. L. Chairman of the water district was interviewed by telephone on November 15 1984 and gave the following information. Wells 1 and 2 are installed to the complete system. Well No 1 yields 90 gpm and well No 2 yields 125 gpm to the two 3000 gallon storage tanks. The wells are pumped alternately. Booster pumps supply service pressure from the tanks. There are now about 175 homes using water with a potential of 483. The system is now called the Scatchet Head Water District. The water from well No 1 as described being of bad quality containing methane chlorides and other constituents which make the water unacceptable. For this reason and to provide greater instantaneous quantity of water well No 2 was installed. Water from the two wells is mixed and treated to obtain water that is acceptable to the district. Mr. Peel requested that each well be granted a separate water right.

The water well report for well No 2 shows that it was installed by Martel Well Drilling Inc. Friday Harbor Washington. The well is 10 inches in diameter and 295 feet deep. It was completed on May 5 1980 with static water level of 190 feet. The well is cased from 3 feet above ground to 287 feet below and perforated from 242 feet to 246 feet. No screen is indicated. A pump test by the driller on April 30 1980 yielded 250 gpm with 40-foot drawdown in 6 hours with the water level remaining stable at 230 feet for an additional 6 hours. Recovery to 190 feet occurred in 4 minutes.

Well No 2 is sited at an elevation of about 202 feet above mean sea level. The closest altwater is Cultu Bay about 1800 feet to the south. The bottom of the well casing is thus about 85 feet below mean sea level and the lower perforations in the casing about 44 feet below mean level.

A report submitted by the applicant shows water taken from well No 2 on December 16 1984 was found to contain 14 mg/L of chloride (Lauck's Testing Labs Seattle WA).

A review of the Department of Social and Health Services public water supply system listing dated January 19 1984 indicates that water usage reported in the applicant area is about 0.36 acre-foot per year per service. Since the Department of Ecology Quantity Allocation Guidelines provide 0.5-1.0 acre-foot per year per service, the 0.5 acre-foot per service will be allocated here. G1-20574 provides 101.1 acre-feet so this well can provide the additional 140.4 acre-feet needed.

Co ncl us o

It is co cluded that wat r va labl f r th beneficial appropriation s requed
 S ch ill not have an adver ffect exi ting ghts or be d trimental to th
 publ c welfare so l ng the well pump take and withdrawal rat are uch that th
 no degradatio f th quifer ed by pumping th well It is also con luded that th
 equ ted 250 gpm h ld be ed ed to th pumping t of 125 gpm Permit hould
 ther f re issu subject to exi ting r ghts and indicated pro i ons

Recommendatio

It i ecommended that permut be i ed f r 125 gpm 140 4 cre-feet per year (in
 addition to G1 20574) for th community domesti supply - continuously - of 483
 rv

Permuttee r ts ucc () hall ubmit in wr ting to the Department of Ecology
 Northwe t Reg o al Off ce Redmond Washington during the months of April and
 August ch year th chl ride co centr ti f th water pumped and tatic water
 l vel (pump ff) f th well tho ed by th permit Depending on th results f
 th data collection, the ithdr val f ground water under this permit may be
 limited other pprop iat ti may be required by Department f Ecology
 rder to prevent seawater intrusio into th subject aquifer

REPORT BY

John Gaur

DATE

3 27 85



UNIQUE WELL I D NUMBER A B R 4 1 7
X Y Z 1 2 3

WELL TAGGING FORM

Date of Field Visit 8/6/94 By E HUNTINGTON

ADDITIONAL WELL IDENTIFIERS

Department of Health System ID Number 76470 X Source Number SO 2

USGS Site Identification _____

RECORD VERIFICATION

- ☒ Well Report available (please attach)
☐ Well Report not available
☐ Verification inconclusive

WELL OWNERSHIP, IF DIFFERENT FROM WELL REPORT

Name Seatchet Head Water Dist.

Street address P.O. Box 337

City Clinton State WN 98236

LOCATION OF WELL, IF DIFFERENT FROM WELL REPORT

Well Address DIV. F B1K12 Lot 18 NO MAIL ADDRESS

City Clinton County ISLAND

T 28 N R 3E WM Sec 15 ~~28~~ 1/4 of the _____ 1/4

850 Ft South and 1278 Ft W From the N. 1/4 Corner of Sec. 15

Latitude _____ ° _____ ' _____ "

Longitude _____ ° _____ ' _____ "

- ☐ GPS (raw data)
☐ GPS (corrected)
☒ Topographic Map
☐ Survey
☐ Computer generated
☐ Other _____

Elevation at land surface 202. (feet) meters (circle one)

- ☐ Digital Altimeter
☒ Topographic Map
☐ Other _____

Additional information, if available

☒ Location marked on topographic map (please attach)

☐ Location marked on air photo (please attach)

Water Right # 61-23621D
~~61-20574~~

Priority Date JAN. 19, 1984

Circle one

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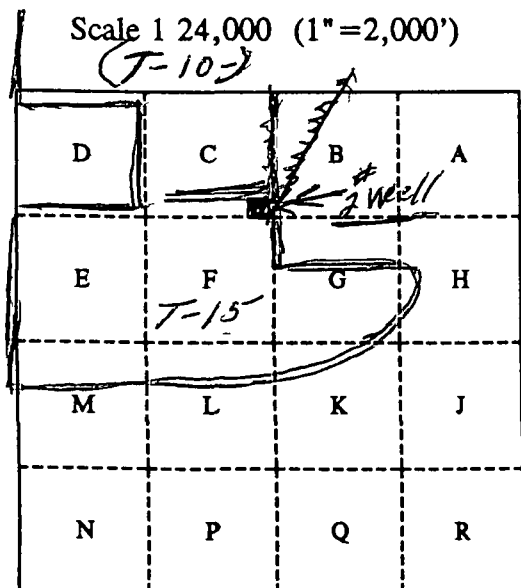
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SECTION 10+15

COMMENTS: